

PIK3C2B recombinant protein

PIK3C2B, Active

CATALOG # AAA73051	HOST Sf9 insect cells using baculovirus	APPLICATIONS Kinase Assay
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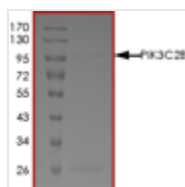
PRODUCT SYNONYMS

PIK3C2B; Active; PIK3C2B recombinant protein

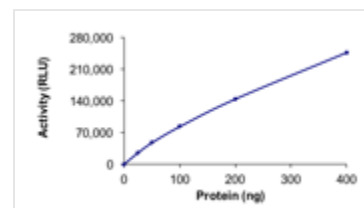
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	850-end
Sequence Length	7319
Applicable Applications for PIK3C2B recombinant protein	Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PIK3C2B recombinant protein	Description: Recombinant human PIK3C2B (850-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: PIK3C2B or phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 beta belongs to the phosphoinositide 3-kinase (PI3K) family. PIK3C2B plays a role in signaling pathways involved in cell proliferation, oncogenic transformation, cell survival, cell migration, and intracellular protein trafficking. PIK3C2B is highly expressed in thymus and placenta and it may function in a calcium-independent manner (1). In cell signaling, PIK3C2B stabilizes nucleotide-free Ras and the interaction of Ras and PI3KC2beta mutually inhibits one another activity (2).
Product Categories/Family for PIK3C2B recombinant protein	Enzymes; Active Lipid Kinases

References	1. Brown, R. A.et.al: Identification and cDNA cloning of a novel mammalian C2 domain-containing phosphoinositide 3-kinase, HsC2-PI3K. Biochem. Biophys. Res. Commun. 233: 537-544, 1997. 2. Wong KA. et.al: A new dimension to Ras function: a novel role for nucleotide-free Ras in Class II phosphatidylinositol 3-kinase beta (PI3KC2beta) regulation. PLoS One. 2012;7 (9):e45360. doi: 10.1371/journal.pone.0045360. Epub 2012 Sep 13.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219520213
NCBI GeneID	5287
Molecular Weight	98 kDa
NCBI Official Full Name	Homo sapiens phosphoinositide-3-kinase, class 2, beta polypeptide, mRNA
NCBI Official Synonym Full Names	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta
NCBI Official Symbol	PIK3C2B
NCBI Official Synonym Symbols	C2-PI3K
NCBI Protein Information	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
UniProt Protein Name	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta
UniProt Gene Name	PIK3C2B
UniProt Synonym Gene Names	PI3K-C2-beta; PtdIns-3-kinase C2 subunit beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/pik3c2b-recombinant-protein-sf9-kinase-assay/73051>